

NRWWTP EMS OBJECTIVES AND TARGETS

2018 DRAFT Objectives and Targets									
Goal	Objective	Target	Actions	Responsible Party	Strategic Plan Focus	Significant Aspect	Status	Method of Measure	Comments
1. Improve communication with interested parties and stakeholders	Educate and communicate with identified mercury stakeholders in an effort to increase mercury awareness and reduce risk	Develop a Mercury Outreach Pamphlet and distribute to >75% of identified stakeholders by December 2018	1) Create a Mercury Stakeholder Database 2) Create a Mercury Outreach Pamphlet 3) Work with PU Communications to refine and distribute	Pretreatment Coordinator	Stakeholder Outreach	Water Pollution		Database creation, mercury pamphlet creation, distribution totals	This goal also relates to the Neuse River and Little Creek Mercury Minimization Plan efforts to increase public awareness regarding mercury reduction.
	Develop and implement interested party and stakeholder communication plan for Bioenergy Recovery Project.	Develop communication plan and common presentation material by March 31, 2018. Develop one-page Fact Sheet as part of common presentation material. Present developed communication material at 75% of scheduled meetings, including plant Neighbor Forums, Industry Day, Farmer's Day, and Stakeholder Meeting by December 31, 2018.	1. Develop communication plan and common communication material that describes Bioenergy Program and highlights key benefits. 2. Incorporate Bioenergy Recovery Project website material, updated GHG analysis into communication materials. 3. Present material at all scheduled stakeholder and interested party meetings.	RR Superintendent/ Plant Process Engineer / Plants Operations Manager / Process Training Control Officer	Stakeholder Outreach	Noise/Odor / Energy / Air Emissions (GHG Reduction)		Communication Plan; Fact Sheet; Common Presentation Materials; Presentation at Forums	
2. Improve environmental performance	Obtain ISO/IEC 17025 accreditation	Obtain full accreditation by January 31, 2018. Continue to comply and maintain the ISO standard requirements for one year.	1. Address 100% of non-conformances found in the pre-accreditation internal audit by January 31, 2018 2. Complete two Management Reviews and one third-party internal audit by December 31, 2018	Laboratory Supervisor	Operational Optimization			Track progress of non-conformances using CPAR (Corrective/Preventive Action Requests). Use Accreditation Body's approval, management review checklists and internal audit reports as records of completion.	Carried over from 2017
	Eliminate potential pollutant sources on NRRRF plant site	Remove 2 of 3 (66%) of unused caustic tanks by December 31, 2018	Identify and schedule tanks to be removed by June 30, 2017	Plants Maintenance Manager	Environmental Stewardship	Soil/Groundwater Contamination		Contract with Vendor (CIP)	Carried over from 2017 (CIP Project)
	Reduce energy usage	Complete evaluation of current energy usage by June 30, 2018. Evaluate and recommend options for reducing future energy usage by 5% by December 31, 2018	1. Continue to track total electricity usage in kW on a quarterly basis. 2. Track unit energy usage (kw/mgd and kw / lb BOD and lb TN removed) on quarterly basis. 3. Estimate and/or track energy usage for major processes. 4. Complete audit of current energy uses and identify strategies to reduce current energy usage.	RR Superintendent / Plant Process Engineer / Plants Operations Manager / Operations Supervisor	Environmental Stewardship	Energy / Air Emissions (GHG Reduction)		Completion of Energy Assessment Report; Energy Usage tracking	
	Expand usage of alternative energy systems	Offset 100% of Land Management Program's off-road fuel usage	1. Produce 2,250 gallons of B-100 biofuel, resulting in 15,000 gallons of finished B-100 by December 31, 2018 2. Continue to track alternative energy offsets (biodiesel)	Assistant Water & Sewer Superintendent	Environmental Stewardship	Energy		# of gallons of diesel usage offset by biodiesel	
3. Beneficial reuse of products (biosolids and reclaimed water)	Decrease nitrogen contribution to Neuse River	Increase onsite irrigation by 10% by December 31, 2018	1. Continue to improve and repair automation of 100% of system 2. Monitor CropX soil moisture data and present findings 3. Design irrigation expansion by December 31, 2018	Environmental Coordinator	Environmental Stewardship	Water Pollution		Material Manager & Hach WIMS	
4. Continue to maintain and improve regulatory compliance	Prioritize SCADA alarms for all three treatment plants based upon criticality and need for acknowledgement.	Develop priorities, implement program and reduce the number of acknowledgeable alarms by at least 50% from 75 per day to 35 per day by November 1, 2018.	1) Obtain quote from integrator for easy access to change alarm priority by February 2018. 2) Meet with Ops Superintendent and Ops Supervisors to determine criticality, priority and continuity by April 30, 2018. 3) Modify alarm priorities on all SCADA systems and train operations staff by August 30, 2018.	Plants Operations Manager NRRRF Operations Supervisor SCWWTP Operations Supervisor LCWWTP Operations Supervisor	Operational Optimization Environmental Stewardship	Noise/Odor Water Pollution		Reduction of high priority alarms that are not high priority on SCADA.	
	Implement a RRD Arc Flash Program	Develop, adopt, and implement a RRD Arc Flash program per NFPA 70E and OSHA 29 CFR 1910 by December 2018	Perform an Arc Flash Analysis, label machinery, develop SOPs, and train RRD staff per NFPA 70E.	Plants Maintenance Manager	Operational Optimization			Competency records/sign-in sheets	
	Maintain 100% regulatory compliance /certifications for all Resource Recovery Division facilities (NPDES, Reuse, Biosolids, Stormwater)	Obtain 100% compliance in 2018	Track compliance data on a daily and monthly basis.	Permittee/ORCs	Operational Optimization				